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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application of )

TAKAHASHI et al. )

Application Number: 10/849,516 )

Art Unit 2627 )

Filed: May 20, 2004 )

For: MAGNETIC SENSOR AND MAGNETIC HEAD WITH )  
THE MAGNETIC SENSOR )Examiner  
MILLER, BRIAN E. )

ATTORNEY DOCKET NO. HIRA.0149 )

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**COVER LETTER**

Sir:

[ x ] The fee for submission of claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS ALREADY PAID	RATE	CALCULATION
Total Claims	16	16	(Over 20)	x \$50	0
Independent Claims	4	4	<sup>1</sup> (Over 3)	x \$200	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$360	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28).				x ½	
				TOTAL	0

In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

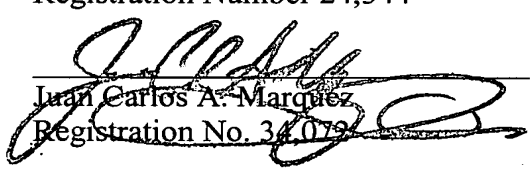
- [ x ] Response to Office Action  
(with Claim Amendments)  
[ ] Substitute Specification  
[ ] Preliminary Amendment  
[ ] Information Disclosure Statement

- [ ] Petition for Extension of Time ( month)  
[ ] Terminal Disclaimer  
[ ] Letter to Draftsperson  
[ ] Assignment  
[ ] Other \_\_\_\_\_

- [ ] Please charge my **Deposit Account Number** \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the fees for \_\_\_\_\_. A duplicate copy of this paper is enclosed.
- [ ] A check in the amount of \$ \_\_\_\_\_ to cover the fee is enclosed.
- [x] The Commissioner is hereby authorized to charge any additional fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

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**April 23, 2007**



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In re U.S. Patent Application of )  
TAKAHASHI et al. )  
Application Number: 10/849,516 ) Art Unit 2627  
Filed: May 20, 2004 )  
For: MAGNETIC SENSOR AND MAGNETIC ) Examiner Brian E. Miller  
HEAD WITH THE MAGNETIC SENSOR )  
Attorney Docket No. HIRA.149 )  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE AND AMENDMENT UNDER 37 C.F.R. § 1.111**

Sir:

This is in response to the Office Action mailed on February 21, 2007, the period of response to which is set to expire on April 21, 2007. Please amend the above-referenced application as follows: